

WHAT IS CLAIMED IS:

1. An oil pressure control apparatus, comprising:
  - a source of hydraulic pressure;
  - a hydraulic actuator which is actuated by hydraulic pressure;
  - a fluid passage which is in communication with the source of hydraulic pressure and the hydraulic actuator; and
  - a control valve which is disposed in the fluid passage for controlling the hydraulic pressure introduced to the actuator,
    - the control valve comprising:
      - a valve body; and
      - a filter member,
    - the filter member having a hook provided at one end of the filter member,
    - the filter member is held under a tension by the hook.
2. The oil pressure control apparatus as claimed in claim 1, the filter member further comprising:
  - a filter portion; and
  - a frame portion provided around the filter portion, the frame portion comprises a synthetic resin.
3. The oil pressure control apparatus as claimed in claim 2, the frame portion having a pair of main frames provided on both sides of the filter in the direction along longitudinal axis of the filter member and a plurality of crosspieces provided between the frames; and
  - wherein the crosspieces are connecting the main frames, and one of the crosspieces comprises the hook.
4. The oil pressure control apparatus as claimed in claim 1, the valve body having an annular groove in a circumferencial direction of the valve body, the filter member is provided in the annular groove.

5. An oil pressure control apparatus for an internal combustion engine comprising:

- a source of hydraulic pressure;

- a hydraulic actuator which is actuated by hydraulic pressure;

- a fluid passage which is in communication with the source of hydraulic pressure and the hydraulic actuator; and

- a control valve which is disposed in the fluid passage for controlling the hydraulic pressure introduced to the actuator,

  - the control valve comprising:

    - a valve body; and

    - a filter member,

    - the filter member having a hook provided at one end of the filter member, the filter member is held under a tension by the hook.

6. The oil pressure control apparatus as claimed in claim 1, wherein the engine includes a valve and a valve spring resiliently urging the valve for closing an inlet or an exhaust port;

- wherein the hydraulic actuator comprises:

  - a camshaft rotatably mounted on a cylinder head for opening and closing the valve against a force of the valve spring, the camshaft being subject to an alternating torque of the valve spring;

  - a sprocket rotatably mounted on the camshaft and being operative to transmit a revolution of a crankshaft, the camshaft receiving a force of a crankshaft revolution;

  - a phase changer disposed between the camshaft and the sprocket for changing a rotational phase of the camshaft relative to the sprocket; and

  - a chamber defined between the camshaft and the sprocket and connected to the inlet passage; and

  - wherein the first filter damps the pulsing stream that is caused by the alternating torque of the valve spring.